

Title (en)
LIGHTING DEVICE

Title (de)
BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE

Publication
EP 4105081 B1 20240515 (EN)

Application
EP 22171539 A 20220504

Priority
KR 20210079159 A 20210618

Abstract (en)
[origin: EP4105081A1] A lighting device irradiating light to different locations includes a light irradiation unit that generates light; an optical path adjustment unit that adjusts a path of the light radiated from the light irradiation unit to allow a road surface pattern to be formed at a predetermined location on a road surface around a vehicle; and a driving unit that adjusts the optical path adjustment unit to allow the road surface pattern to be formed at different locations on the road surface around the vehicle.

IPC 8 full level
B60Q 1/24 (2006.01); **B60Q 1/26** (2006.01); **B60R 1/12** (2006.01); **F21S 41/16** (2018.01); **F21S 41/675** (2018.01); **F21S 43/14** (2018.01)

CPC (source: CN EP KR US)
B60Q 1/247 (2022.05 - EP US); **B60Q 1/2665** (2013.01 - EP US); **F21S 41/141** (2018.01 - CN); **F21S 41/16** (2018.01 - EP); **F21S 41/20** (2018.01 - KR); **F21S 41/25** (2018.01 - CN); **F21S 41/30** (2018.01 - CN); **F21S 41/60** (2018.01 - CN KR); **F21S 41/657** (2018.01 - CN); **F21S 41/675** (2018.01 - EP); **F21S 43/14** (2018.01 - CN EP); **F21S 43/20** (2018.01 - CN); **F21S 43/30** (2018.01 - CN); **F21V 1/14** (2013.01 - KR); **F21V 13/04** (2013.01 - KR); **F21V 15/01** (2013.01 - KR); **F21V 21/30** (2013.01 - KR); **B60Q 2400/50** (2013.01 - EP); **F21V 2200/00** (2015.01 - KR); **F21W 2103/60** (2018.01 - EP); **F21W 2107/10** (2018.01 - CN); **F21Y 2115/10** (2016.08 - CN)

Citation (examination)
EP 3663638 A1 20200610 - TOYOTA MOTOR CO LTD [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4105081 A1 20221221; **EP 4105081 B1 20240515**; CN 115493118 A 20221220; KR 20220169125 A 20221227; US 11987174 B2 20240521; US 2022402424 A1 20221222

DOCDB simple family (application)
EP 22171539 A 20220504; CN 202210497770 A 20220509; KR 20210079159 A 20210618; US 202217750550 A 20220523